



# Idrocrete DM

## Waterproofing admixture for concrete

**Idrocrete DM** is a liquid waterproofing admixture for cementitious mixtures that significantly reduces the absorption of water in cured concrete and prevents efflorescences.

### WHERE TO USE

**Idrocrete DM** is especially recommended for all applications which require increased impermeability.

Use **Idrocrete DM** to prepare concrete with a low degree of water absorption and to prevent the appearance of surface efflorescence.

**Idrocrete DM** is especially recommended as an integral waterproofer for vibrated concrete such as concrete blocks, sump pits, kerbstones, pavers, etc.

### Some application examples

- Concrete foundations.
- Concrete for supporting wall.
- Concrete for underground structures (basements, lift wells, ditches).
- Concrete for sewage treatment tanks, cisterns, canals, etc.
- Vibrated concrete.
- Precast concrete.



## TECHNICAL CHARACTERISTICS

**Idrocrete DM** is an admixture with a base of special waterproofing agents manufactured from a formula developed in the MAPEI research laboratories.

**Idrocrete DM**, when used in amounts of  $0.2 \div 1\%$  by weight of cement, does not alter the performance of fresh concrete or the development of mechanical strength.

**Idrocrete DM** can be used in combination with plasticisers and superplasticisers of the **Mapoplast**, **Mapemix**, and **Mapefluid** lines to prepare fluid and super-fluid waterproof grout and concrete and to improve the mechanical performance of the cement mix when cured.

## APPLICATION PROCEDURE

Add **Idrocrete DM** into the mixer after the other ingredients (water, cement and aggregates) and mix until a homogeneous paste is obtained.

**Idrocrete DM** can, however, be added with the rest of the ingredients if necessary, because its water-repellent effect remains unaltered regardless of when it is mixed.

Before using refer to the product's safety data sheet.

## CONSUMPTION

### Dosage by weight:

From 0.21 to 1.06 litres for every 100 kg of cement.

### Dosage by volume:

From 0.2 to 1 litre for every 100 kg of cement.

## PACKAGING

**Idrocrete DM** is available in 25 kg and 200 litre drums, 1000 litre tanks, and in bulk.

## STORAGE

Stored in closed containers, **Idrocrete DM** is stable for at least 12 months. Protect from frost and sunlight.

FOR PROFESSIONALS.

## WARNING

*Although the technical details and recommendations contained in this report correspond to the best of our knowledge and experience, all the above information must, in every case be taken as merely indicative and subject to confirmation after long-term practical applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

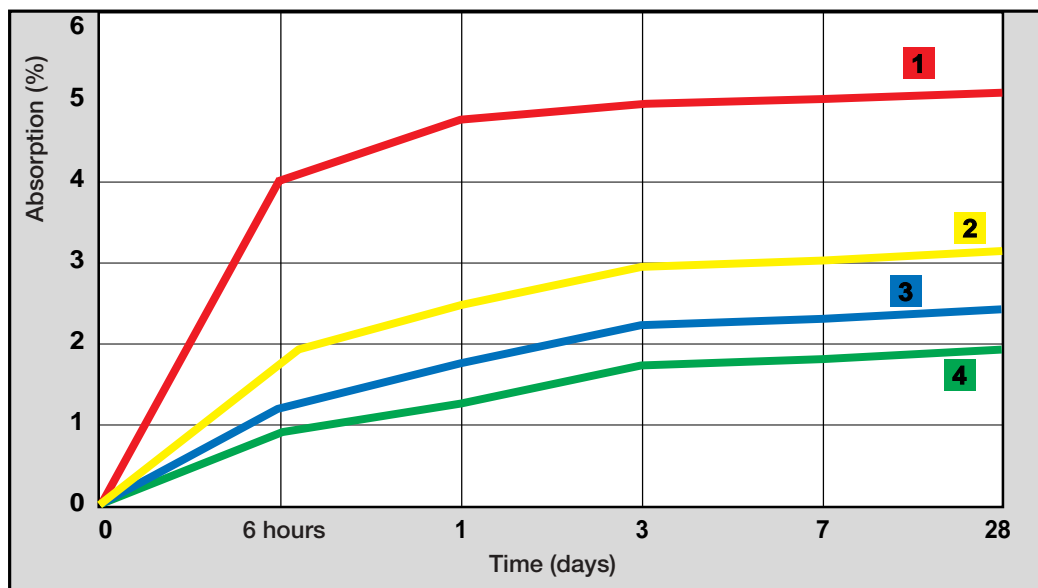
**All relevant references  
of the product are available  
upon request**

## PERFORMANCE DATA FOR IDROCRETE DM

### A) CONCRETE COMPOSITION

COMPOSITION	1	2	3	4
CEM II/A-L 32.5 R (kg/m <sup>3</sup> )	350	350	350	350
Aggregate 0 to 8 mm (kg/m <sup>3</sup> )	1830	1830	1830	1830
Water (kg/m <sup>3</sup> )	180	180	180	180
<b>Idrocrete DM</b> (l/m <sup>3</sup> )	–	0.9	1.8	3.5

## B) WATER ABSORPTION TESTS (UNI 7699)



### TECHNICAL DATA (typical values)

#### PRODUCT IDENTITY

<b>Consistency:</b>	liquid
<b>Colour:</b>	white
<b>Density (ISO 758) (kg/l):</b>	1.03 ± 0.02 at +20°C
<b>Dry solids content (EN 480/8) (%):</b>	50 ± 2.5
<b>Specific action:</b>	increases impermeability and reduces efflorescence
<b>Classification:</b>	water resisting admixture according to EN 934-2 table 9
<b>Chlorides (EN 480/10):</b>	absent
<b>Storage:</b>	12 months in original sealed packaging. Protect from frost
<b>Hazard classification according to EC 99/45:</b>	none
<b>Customs class:</b>	3824 40 00



**BUILDING THE FUTURE**

## MAPEI GROUP CERTIFIED MANAGEMENT SYSTEMS (Quality, Environment and Safety)



MAPEI S.p.A. - ITALY



MAPEI FAR EAST Pte Ltd



MAPEI Sro - CZECH REP.



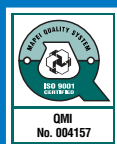
MAPEI FRANCE



RESCON MAPEI AS - NORWAY



MAPEI KFT. - HUNGARY



MAPEI INC - CANADA



MAPEI ARGENTINA S.A.



MAPEI SUISSE SA

[www.mapei.com](http://www.mapei.com)